

CLAIMS

1. An arrangement in connection with a crosscutting saw of a harvester (1), a harvester head (7) therein comprising a saw casing (10) and a chainsaw (11), arranged therein in a rotational manner, and a guide bar (13) and a chain wheel (14), the saw casing comprising strips (17) on a cutting plane substantially flush with a rotational plane of a chain (12) of the chainsaw (11), the strips being arranged in the saw casing in such a manner that their longitudinal axis is substantially parallel to the rotational axis of the chain wheel (14), **characterized** in that

the strips (17) are arranged to provide a lattice-like structure in the saw casing (10), the structure extending at least over the rotational plane of the chain (12) of the chainsaw (11),

substantially each movement path tangent generated at a lower edge (16) in the guide bar (13) of the chain or at an outer track (20) on the side of the saw casing in the chain wheel being arranged to encounter a surface (19) in the strip, however, such that

the strips are arranged to overlap in the saw casing in such a manner that at least one gap (18) deviating from said tangential movement path remains between the strips,

from which sawdust or other impurities flowing to the saw casing (10) during sawing are allowed to be discharged from the saw casing.

2. An arrangement as claimed in claim 1, **characterized** in that the strip (17) is arranged substantially radially relative to the chain wheel (14).

3. An arrangement as claimed in claim 2, **characterized** in that the strip (17) is arched or is bent onto an extension of a movement path tangent generated at a lower edge (15) in the guide bar (13) of the chain or at an outer track (20) on the side of the saw casing (10) in the chain wheel (14).

4. An arrangement as claimed in claim 1, **characterized** in that the strips (17) are arranged in the saw casing (10) as a cover-like structure that is substantially parallel to the rotational axis of the chain wheel (14), the strips being arranged substantially in the radial direction of the chain wheel on at least two planes in such a manner that at least one gap (18) remains between the strips.

5. An arrangement as claimed in any one of the preceding claims,

characterized in that the strips (17) are fastened substantially rigidly to the saw casing (10).

6. An arrangement as claimed in claim 5, **characterized** in that the strips (17) are fastened to the saw casing (10) in a manner not enabling disassembly, preferably by welding.

7. An arrangement as claimed in claim 5, **characterized** in that the strips (17) are fastened to the saw casing (10) in a manner enabling disassembly with a mechanical fastening, preferably a screw fastening.

8. An arrangement as claimed in any one of claims 1 to 4, **characterized** in that the protective structure (16) comprises strips (17) arranged in a common frame structure for generating an integral whole to be fastened to the saw casing (10).

9. An arrangement as claimed in any one of the preceding claims, **characterized** in that the strips (17) are made from the same material as the surrounding saw casing (10).

10. An arrangement as claimed in any one of the preceding claims, **characterized** in that the strips (17) are made from a composite material.

11. An arrangement as claimed in any one of the preceding claims, **characterized** in that the strips (17) are coated with an elastic coating.